

AUSTRALIAN JOURNAL OF EXPERIMENTAL AGRICULTURE AND ANIMAL HUSBANDRY

CONTENTS VOLUME 21 1981

Number 108 February

Influence of suckling by Friesian cows on milk production and anoestrus—G. W. Thomas, S. A. Spiker and F. J. Mickan	5
The effect of feeding hay in autumn or winter on the liveweight gain and carcase characteristics of beef steers—G. R. Saul and A. J. Clark	12
The accuracy of visual assessments for weight in young beef calves—C. A. Morris, R. J. Smith, H. Hearnshaw and R. W. Dicker	19
Responses to cobalt therapy in weaner cattle in south-east Queensland—D. C. Nicol and L. D. Smith	27
Embryo survival in relation to number and site of ovulations in the ewe—D. H. White, D. J. Rizzoli and I. A. Cumming	32
Sexual behaviour and semen characteristics of boars: effects of high temperature—C. G. Winfield, P. H. Hemsworth, D. B. Galloway and A. W. Makin	39
Genetic changes in the performance of egg laying strains in Australia—R. W. Polkinghorne	46
Digestibility of sawdust estimated by the nylon bag technique—R. A. Hunter, D. B. Purser and R. J. W. Barron	52
Tannins in pasture legumes. 2. The annual and perennial <i>Medicago</i> species—D. R. Marshall, P. Broué, J. Grace and J. Munday	55
Seedling resistance to spotted alfalfa aphid of lucerne and annual medic species in Victoria—P. M. Ridland and G. N. Berg	59
Comparator of lucernes when grown on a heavy clay soil infected by <i>Phytophthora megasperma</i> , and their response to attack by the spotted alfalfa aphid (<i>Therioaphis trifolii f. maculata</i>)—V. E. Rogers	63
Regional evaluation of wheat genotypes for grain protein level in the central west of New South Wales—E. Seif and L. N. Balaam	68
Content of 5-alkyl resorcinols in selection lines of triticale grown in South Australia—B. C. Radcliffe, C. J. Driscoll and A. R. Egan	71
Early assessment of sweet sorghum as an agro-industrial crop. 1. Varietal evaluation—R. Ferraris	75
Early assessment of sweet sorghum as an agro-industrial crop. 2. Maturity factors—R. Ferraris	83
Critical phosphorus levels in sunflower plants—K. Spencer and C. W. Chan	91
Losses in sunflower yield caused by <i>Alternaria helianthi</i> in southern Queensland—S. J. Allen, J. K. Kochman and J. F. Brown	98
Pattern of infiltration with furrow irrigation and evapotranspiration of kenaf (<i>Hibiscus cannabinus</i>) grown on Cununurra clay in the Ord Irrigation Area—R. C. Muchow and I. M. Wood	101
Soil nitrogen status and pasture productivity after clearing of brigalow (<i>Acacia harpophylla</i>)—T. W. G. Graham, A. A. Webb and S. A. Waring	109
Growth, yield and preliminary selection of seedling guavas in Queensland—K. R. Chapman, B. Paxton, J. Saranah and P. D. Scudamore-Smith	119
Pineapple slip production using the morphactin Multi-prop applied after flower induction with different chemicals—J. D. Glennie	124
Plant nematodes associated with fruit trees in northern Australia—N. R. Sauer	129

Number 109 April

Performance of Hereford and Friesian \times Hereford dams and their Hereford- and Friesian-sired progeny in a Mediterranean environment—D. R. Gifford, P. C. Stephens, R. J. Lampe, R. W. Ponzoni and H. R. Day	137
Hay supplements to overcome underfeeding of dairy cows. 1. Early lactation—C. R. Stockdale, K. R. King, I. F. Patterson and D. T. Ryan	148
Hay supplements to overcome underfeeding of dairy cows. 2. Late lactation—K. R. King and C. R. Stockdale	157
Milk production by grazing cows given different types of diet in late pregnancy—G. L. Rogers, I. B. Robinson, N. J. Chandler and I. Day	163
Milk yield of dairy cows given restricted access to water in a Mediterranean-type climate—K. R. King and C. R. Stockdale	167
The comparative productivity of five ewe breeds. 4. Growth and carcase characteristics of purebred and crossbred lambs—K. D. Atkins and A. R. Gilmour	172
Gastro-intestinal parasites in sheep in an arid environment—S. J. Gray and J. P. Kennedy	179
Nutritive value of alkali-treated wheaten straw fed to sheep with supplements of either lupins or barley and urea—S. C. Valentine and R. B. Wickes	183
Responses of laying hens to gradual and abrupt increases in ambient temperature and humidity—Madalene Daniel and D. Balnave	189
Management practices for tropical grasses and their effects on pasture and milk production—T. M. Davison, R. T. Cowan and P. K. O'Rourke	196
Performance of some <i>Phalaris</i> accessions under irrigation in south-eastern Queensland—K. F. Lowe and T. M. Bowdler	203
Evaluation of row spacing and population density effects on grain sorghum over a range of northern Australian environments—G. A. Thomas, R. J. K. Myers, M. A. Foale, A. V. French, B. Hall, J. H. Ladewig, A. A. Dove, G. K. Taylor, E. Lefroy, P. Wylie and G. D. Stirling	210
Weed control in peanuts in north Queensland—D. Hawton and I. D. G. Johnson	218
Distribution and control of root-knot and root lesion nematodes on peanuts in north Queensland—R. A. Bradley	223
Effects of aphids on seedling growth of lucerne lines. 3. Blue green aphid and spotted alfalfa aphid: a glasshouse study—J. W. Turner, D. L. Lloyd and T. B. Hilder	227
Chemical control of <i>Heliothis armiger</i> (Hubner) in sweet corn—J. T. Hamilton and W. A. Muirhead	231
Responses of four soybean varieties to foliar zinc fertilizer—I. A. Rose, W. L. Felton and L. W. Banks	236
Honeybee pollination of the apricot cv. Trevatt—D. F. Langridge and R. D. Goodman	241

Number 110 June

Comparative production of lean meat from Friesian bulls and steers over a range of nutritional planes at pasture—F. J. Mickan, G. W. Thomas and S. A. Spiker	249
The effect of two systems of cattle tick (<i>Boophilus microplus</i>) control on tick populations, transmission of <i>Babesia</i> spp. and <i>Anaplasma</i> spp. and production of Brahman crossbred cattle in the dry tropics—L. A. Y. Johnston, K. P. Haydock and G. Leatch	256
Growth and wool production of wethers and induced cryptorchids in a Poll Merino flock—J. P. Egan and D. W. Russell	268
Supplementary feeding of Merino wethers grazing weed-free stubble pastures—L. G. Butler	272
Wood production of Merino sheep fed daily or twice weekly on oats or lupins—R. W. Hodge, B. Bogdanovic and D. Sweatman	277
Comparison of the progeny of Peppin and Bungaree Merino ewes when mated to Border Leicester rams—R. W. Hodge and K. T. Beard	280

The influence of calcium and phosphorus in pre-layer diets and their interaction with sodium chloride and potassium sulfate in layer diets on egg production and shell quality in crossbred layers—H. Karunajeewa and M. Fox	287
Enzyme supplementation of barley based diets for broiler chickens—P. F. Mannion	296
Field calibration of a soil sulfate test on sward lucerne on the eastern Darling Downs, Queensland—P. J. White, M. J. Whitehouse, L. A. Warrell and P. R. Burrill	303
Relations between plant aluminium content and the growth of lucerne and subterranean clover: their usefulness in the detection of aluminium toxicities—D. Bouma, E. J. Dowling and D. J. David	311
Nutrient problems in sown pasture on an acid soil. 3. Thermal phosphates—K. D. McLachlan	318
Native pasture response to nitrogen and sulfur under two cutting frequencies on a cracking clay soil in southern Queensland—W. J. Scattini	326
Residual effects of sulfur fertilizers on cut swards of a <i>Stylosanthes guianensis</i> and native grass pasture on a eucrozem soil in north Queensland—M. A. Gilbert and K. A. Shaw	334
The effects of corm size and division of mother corm in gladioli—Margaret E. McKay, D. E. Byth and the late Jocelyn Tommerup	343
Response of strawberry fruit yield to plant population density—B. Freeman	349
Thinning of cling peaches with ethephon in the Riverland area of South Australia—F. J. Gathercole	354

Number 111 August

Effects of weight and pelvic area at mating on dystokia in beef heifers—A. Axelsen, R. B. Cunningham and K. G. Pullen	361
Effects of supplements of urea, molasses and sodium sulfate on the intake and liveweight of steers fed rice straw—S. R. McLennan, G. S. Wright and G. W. Blight	367
Bail-feeding of detergent in molasses for bloat control in dairy cows—C. R. Stockdale and I. F. Patterson	371
Nutritive value for lactating dairy cows of the pressed herbage remaining after the partial extraction of leaf juice—C. R. Stockdale, K. R. King and D. R. McKenzie	376
Grass seed contamination of the wool and carcasses of sheep grazing natural pasture on the north-western slopes of New South Wales—G. M. Lodge and B. A. Hamilton	382
Factors influencing the time required to shear Merino sheep and its importance as a breeding objective—B. J. McGuirk, R. Ponzoni, K. D. Atkins, A. R. Gilmour, F. H. W. Morley and Liz Maher	387
Variation in the wheat intake of individual sheep measured by the use of labelled grain: behavioural influences—E. Juwarini, B. Howard, B. D. Siebert, J. J. Lynch and R. L. Elwin	395
The response of crossbred ewes given oats supplemented with urea, protein pellets or lucerne chaff—R. W. Hodge, B. Bogdanovic and D. Sweatman	400
Studies in the supplementary feeding of sheep consuming mulga (<i>Acacia aneura</i>). 5. The effect of cobalt and cottonseed meal supplementation—N. P. McMeniman, D. R. Niven, D. Crowther, R. J. W. Gartner and G. M. Murphy	404
Effect of sowing time on the establishment and early production of tropical and temperate pasture mixtures under irrigation in south-eastern Queensland—K. F. Lowe, T. M. Bowdler and J. C. Mulder	410
Establishment of introduced grasses at different stages of pasture development: effects of seedbed—J. G. McIvor and C. J. Gardener	417
Nitrogen requirements of irrigated wheat on the Darling Downs—W. M. Strong	424
Distribution of fenitrothion applied to wheat by gravity feeding and spraying—J. M. Desmarchelier and A. D. Wilson	432
Honeybee pollination of sunflower cultivars Hysun 30 and Sunfolia—D. F. Langridge and R. D. Goodman	435
Effects of plant spacing and season on growth of <i>Melaleuca alternifolia</i> and yield of tea tree oil—B. E. J. Small	439
The commercial acceptability of three old potato cultivars following latent virus eradication—P. J. Sampson and J. G. Stephens	443
Yield response of bananas to trickle irrigation—T. Trochoulis and R. D. Murison	448

Number 112 October

Comparison of dry season urea supplements containing salt, sulfur or molasses for steers grazing native pasture in the dry tropics of northern Queensland—S. R. McLennan, P. J. Dunster, P. K. O'Rourke and G. M. Murphy	457
Economic values of net reproduction and weight-for-age for use in genetic calculations applied to Australian beef cattle herds—C. A. Morris	464
Sheep movements on slatted floors—G. D. Hutson	474
Production by wethers fed oats, wheat, and lupins, with dry annual pasture in north-eastern Victoria—P. A. Kenney	480
Evaluation of legumes for use in short-term leys and natural pastures on the northern slopes of New South Wales—K. A. Archer	485
Effects of fertilizer on concentrations of copper, molybdenum, and sulfur in subterranean clover (<i>Trifolium subterraneum</i>)—G. D. Reddy, A. M. Alston and K. G. Tiller	491
Seasonal changes in the concentrations of copper, molybdenum and sulfur in pasture plants—G. D. Reddy, A. M. Alston and K. G. Tiller	498
Seedling resistance to pea aphid of lucerne, annual medic and clover species in Victoria—P. M. Ridland and G. N. Berg	506
Heritabilities of five wheat quality traits for early generation selection—Drusilla C. Pearson, A. A. Rosielle and W. J. R. Boyd	512
Influence of cereal cyst nematode (<i>Heterodera avenae</i>) on wheat yields in South Australia—A. D. Rovira, P. G. Brisbane, A. Simon, D. G. Whitehead and R. L. Correll	516
Seed production and longevity, seasonal emergence and phenology of wild radish (<i>Raphanus raphanistrum</i> L.)—T. G. Reeves, G. R. Code and C. M. Piggin	524
Establishment and development of surface sown pasture species in a nitrophilous weed association: effect of herbicide rate—M. H. Campbell, A. R. Gilmour and D. T. Vere	531
Moisture regimes of a cracking clay soil under furrow irrigated cotton—K. Y. Chan and A. S. Hodgson	538
Assessing the availability of potassium in soils—A. M. Graley	543

Number 113 December

Effect of various feed and water regimens at saleyards on the liveweight of store cattle—J. R. Wythes, R. Tyler, J. J. Daly, M. A. Burns and D. Llewelyn	553
Effect of transporting cows various distances on liveweight, carcass traits and muscle pH—J. R. Wythes, R. J. Arthur, P. J. M. Thompson, G. E. Williams and J. H. Bond	557
Role of plasma progesterone concentration in early pregnancy of the ewe—F. D. Brien, I. A. Cumming, I. J. Clarke and C. S. Cocks	562
Prediction of carcass fat depth in live lambs: a comparison of techniques—B. W. Clements, J. M. Thompson, D. C. Harris and J. G. Lane	566
Predation by feral pigs on Merino lambs at Nyngan, New South Wales—P. M. Pavlov, J. Hone, R. J. Kilgour and H. Pedersen	570
Food preferences of sheep—G. D. Hutson and S. C. van Mourik	575
Laboratory estimates of the nutritive value of some herbaceous native legumes—R. D. H. Cohen and G. P. M. Wilson	583
Poor nodulation of lupins and tropical legumes in northern New South Wales—Helen Philpotts	588
Persistence of creeping-rooted lucerne under grazing in subtropical Queensland—R. A. Bray and G. J. Leach	595

Seasonal changes in the growth, dry matter distribution and herbage quality of three native grasses in northern Queensland—J. G. McIvor	600
Fruit injury and residues resulting from methyl bromide fumigation of avocados—G. R. Chaplin, L. E. Rippon, G. Singh and R. L. McBride	610
Effects of mowing and spraying of 2, 4, 5-T on blackberry (<i>Rubus fruticosus</i> agg.) and pasture species—R. L. Amor and R. V. Harris	614
Promalin promotes lateral shoot development of young cherry trees—N. Veinbrants and P. Miller	618
Promalin improves the shape of Delicious apples in Victoria—N. Veinbrants and P. Miller	623
Production of seed potatoes in Queensland—V. J. Novak and I. K. Hughes	631
Annual contents and author index	635



AUTHORS

Allen, S. J., Kochman, J. K. and Brown, J. F.	98	Chaplin, G. R., Rippon, L. E., Singh, G. and	
Alston, A. M., Reddy, G. D. and Tiller, K. G.	491, 498	McBride, R. L.	610
Amor, R. L. and Harris, R. V.	614	Chapman, K. R., Paxton, B., Saranah, J. and	
Archer, K. A.	485	Scudamore-Smith, P. D.	119
Arthur, R. J., Wythes, J. R., Thompson, P. J. M.,		Clark, A. J. and Saul, G. R.	12
Williams, G. E. and Bond, J. H.	557	Clarke, I. J., Brien, F. D., Cumming, I. A. and	
Atkins, K. D. and Gilmour, A. R.	172	Cocks, C. S.	562
Atkins, K. D., McGuirk, B. J., Ponzoni, R., Gilmour,		Clements, B. W., Thompson, J. M., Harris, D. C. and	
A. R., Morley, F. W. H. and Maher, Liz	387	Lane, J. G.	566
Axelsen, A., Cunningham, R. B. and Pullen, K. G.	361	Cocks, C. S., Brien, F. D., Cumming, I. A. and	
Balaam, L. N. and Seif, E.	68	Clarke, I. J.	562
Balnave, D. and Daniel, Madalene	189	Code, G. R., Reeves, T. G. and Piggan, C. M.	524
Banks, L. W., Rose, I. A. and Felton, W. L.	236	Cohen, R. D. H. and Wilson, G. P. M.	583
Barron, R. J. W., Hunter, R. A. and Purser, D. B.	52	Correll, R. L., Rovira, A. D., Brisbane, P. G., Simon,	
Beard, K. T. and Hodge, R. W.	280	A. and Whitehead, D. G.	516
Berg, G. N. and Ridland, P. M.	59, 506	Cowan, R. T., Davison, T. M. and O'Rourke, P. K.	196
Blight, G. W., McLennan, S. R. and Wright, G. S.	367	Crowther, D., McMeniman, N. P., Niven, D. R.,	
Bogdanovic, B., Hodge, R. W. and		Gartner, R. J. W. and Murphy, G. M.	404
Sweatman, D.	277, 400	Cumming, I. A., Brien, F. D., Clarke, I. J. and	
Bond, J. H., Wythes, J. R., Arthur, R. J.,		Cocks, C. S.	562
Thompson, P. J. M. and Williams, G. E.	557	Cumming, I. A., White, D. H. and Rizzoli, D. J.	32
Bouma, D., Dowling, E. J. and David, D. J.	311	Cunningham, R. B., Axelsen, A. and Pullen, K. G.	361
Bowdler, T. M. and Lowe, K. F.	203	Daly, J. J., Wythes, J. R., Tyler, R., Burns, M. A. and	
Bowdler, T. M., Lowe, K. F. and Mulder, J. C.	410	Llewelyn, D.	553
Boyd, W. J. R., Pearson, Drusilla C. and Rosielle,		Daniel, Madalene and Balnave, D.	189
A. A.	512	David, D. J., Bouma, D. and Dowling, E. J.	311
Bray, R. A. and Leach, G. J.	595	Davison, T. M., Cowan, R. T. and O'Rourke, P. K.	196
Brien, F. D., Cumming, I. A., Clarke, I. J. and		Day, H. R., Gifford, D. R., Stephens, P. C., Lampe,	
Cocks, C. S.	562	R. J. and Ponzoni, R. W.	137
Brisbane, P. G., Rovira, A. D., Simon, A., Whitehead,		Day, I., Rogers, G. L., Robinson, I. B. and	
D. G. and Correll, R. L.	516	Chandler, N. J.	163
Broadley, R. A.	223	Desmarchelier, J. M. and Wilson, A. D.	432
Broué, P., Marshall, D. R., Grace, J. and Munday, J.	55	Dicker, R. W., Morris, C. A., Smith, R. J. and	
Brown, J. F., Allen, S. J. and Kochman, J. K.	98	Hearnshaw, H.	19
Burns, M. A., Wythes, J. R., Tyler, R., Daly, J. J. and		Dove, A. A., Thomas, G. A., Myers, R. J. K., Foale,	
Llewelyn, D.	553	M. A., French, A. V., Hall, B., Ladewig, J. H.,	
Burrill, P. R., White, P. J., Whitehouse, M. J. and		Taylor, G. K., Lefroy, E., Wylie, P. and	
Warrell, L. A.	303	Stirling, G. D.	210
Butler, L. G.	272	Dowling, E. J., Bouma, D. and David, D. J.	311
Byth, D. E., McKay, Margaret E. and Tommerup,		Driscoll, C. J., Radcliffe, B. C. and Egan, A. R.	71
Jocelyn	343	Dunster, P. J., McLennan, S. R., O'Rourke, P. K. and	
Campbell, M. H., Gilmour, A. R. and Vere, D. T.	531	Murphy, G. M.	457
Chan, C. W. and Spencer, K.	91	Egan, A. R., Radcliffe, B. C. and Driscoll, C. J.	71
Chan, K. Y. and Hodgson, A. S.	538	Egan, J. P. and Russell, D. W.	268
Chandler, N. J., Rogers, G. L., Robinson, I. B. and		Elwin, R. L., Juwarini, E., Howard, B., Siebert, B. D.	
Day, I.	163	and Lynch, J. J.	395

Felton, W. L., Rose, I. A. and Banks, L. W.	236	Hone, J., Pavlov, P. M., Kilgour, R. J. and Pedersen, H.	570
Ferraris, R.	75, 83	Howard, B., Juwarini, E., Siebert, B. D., Lynch, J. J. and Elwin, R. L.	395
Foale, M. A., Thomas, G. A., Myers, R. J. K., French, A. V., Hall, B., Ladewig, J. H., Dove, A. A., Taylor, G. K., Lefroy, E., Wylie, P. and Stirling, G. D.	210	Hughes, I. K. and Novak, V. J.	631
Fox, M. and Karunajeewa, H.	287	Hunter, R. A., Purser, D. B. and Barron, R. J. W.	52
Freeman, B.	349	Hutson, G. D.	474
French, A. V., Thomas, G. A., Myers, R. J. K., Foale, M. A., Hall, B., Ladewig, J. H., Dove, A. A., Taylor, G. K., Lefroy, E., Wylie, P. and Stirling, G. D.	210	Hutson, G. D. and van Mourik, S. C.	575
Galloway, D. B., Winfield, C. G., Hemsworth, P. H. and Makin, A. W.	39	Johnson, I. D. G. and Hawton, D.	218
Gardener, C. J. and McIvor, J. G.	417	Johnston, L. A. Y., Haydock, K. P. and Leatch, G.	256
Gartner, R. J. W., McMeniman, N. P., Niven, D. R., Crowther, D. and Murphy, G. M.	404	Juwarini, E., Howard, B., Siebert, B. D., Lynch, J. J. and Elwin, R. L.	395
Gathercole, F. J.	354	Karunajeewa, H. and Fox, M.	287
Gifford, D. R., Stephens, P. C., Lampe, R. J., Ponzoni, R. W. and Day, H. R.	137	Kennedy, J. P. and Gray, S. J.	179
Gilbert, M. A. and Shaw, K. A.	334	Kenney, P. A.	480
Gilmour, A. R. and Atkins, K. D.	172	Kilgour, R. J., Pavlov, P. M., Hone, J. and Pedersen, H.	570
Gilmour, A. R., Campbell, M. H. and Vere, D. T.	531	King, K. R. and Stockdale, C. R.	157, 167
Gilmour, A. R., McGuirk, B. J., Ponzoni, R., Atkins, K. D., Morley, F. H. W. and Maher, Liz	387	King, K. R., Stockdale, C. R. and McKenzie, D. R.	376
Glennie, J. D.	124	King, K. R., Stockdale, C. R., Patterson, I. F. and Ryan, D. T.	148
Goodman, R. D. and Langridge, D. F.	241, 435	Kochman, J. K., Allen, S. J. and Brown, J. F.	98
Grace, J., Marshall, D. R., Broué, P. and Munday, J.	55	Ladewig, J. H., Thomas, G. A., Myers, R. J. K., Foale, M. A., French, A. V., Hall, B., Dove, A. A., Taylor, G. K., Lefroy, E., Wylie, P. and Stirling, G. D.	210
Graham, T. W. G., Webb, A. A. and Waring, S. A.	109	Lampe, R. J., Gifford, D. R., Stephens, P. C., Ponzoni, R. W. and Day, H. R.	137
Graley, A. M.	543	Lane, J. G., Clements, B. W., Thompson, D. C. and Harris, D. C.	566
Gray, S. J. and Kennedy, J. P.	179	Langridge, D. F. and Goodman, R. D.	241, 435
Hall, B., Thomas, G. A., Myers, R. J. K., Foale, M. A., French, A. V., Ladewig, J. H., Dove, A. A., Taylor, G. K., Lefroy, E., Wylie, P. and Stirling, G. D.	210	Leach, G. J. and Bray, R. A.	595
Hamilton, B. A. and Lodge, G. M.	382	Leatch, G., Johnston, L. A. Y. and Haydock, K. P.	256
Hamilton, J. T. and Muirhead, W. A.	231	Lefroy, E., Thomas, G. A., Myers, R. J. K., Foale, M. A., French, A. V., Hall, B., Ladewig, J. H., Dove, A. A., Taylor, G. K., Wylie, P. and Stirling, G. D.	210
Harris, D. C., Clements, B. W., Thompson, J. M. and Lane, J. G.	566	Llewellyn, D., Wythes, J. R., Tyler, R., Daly, J. J. and Burns, M. A.	553
Harris, R. V. and Amor, R. L.	614	Lloyd, D. L., Turner, J. W. and Hilder, T. B.	227
Hawton, D. and Johnson, I. D. G.	218	Lodge, G. M. and Hamilton, B. A.	382
Haydock, K. P., Johnston, L. A. Y. and Leatch, G.	256	Lowe, K. F. and Bowdler, T. M.	203
Hearnshaw, H., Morris, C. A., Smith, R. J. and Dicker, R. W.	19	Lowe, K. F., Bowdler, T. M. and Mulder, J. C.	410
Hemsworth, P. H., Winfield, C. G., Galloway, D. B. and Makin, A. W.	39	Lynch, J. J., Juwarini, E., Howard, B., Siebert, B. D. and Elwin, R. L.	395
Hilder, T. B., Turner, J. W. and Lloyd, D. L.	227	McBride, R. L., Chaplin, G. R., Rippon, L. E. and Singh, G.	610
Hodge, R. W. and Beard, K. T.	280	McGuirk, B. J., Ponzoni, R., Atkins, K. D., Gilmour, A. R., Morley, F. H. W. and Maher, Liz	387
Hodge, R. W., Bogdanovic, B. and Sweatman, D.	277, 400	McIvor, J. G.	600
Hodgson, A. S. and Chan, K. Y.	538	McIvor, J. G. and Gardener, C. J.	417

McKay, Margaret E., Byth, D. E. and Tommerup, Jocelyn	343	Pedersen, H., Pavlov, P. M., Hone, J. and Kilgour, R. J.	570
McKenzie, D. R., Stockdale, C. R. and King, K. R.	376	Philpotts, Helen	588
McLachlan, K. D.	318	Piggin, C. M., Reeves, T. G. and Code, G. R.	524
McLennan, S. R., Dunster, P. J., O'Rourke, P. K. and Murphy, G. M.	457	Polkinghorne, R. W.	46
McLennan, S. R., Wright, G. S. and Blight, G. W.	367	Ponzoni, R. W., Gifford, D. R., Stephens, P. C., Lampe, R. J. and Day, H. R.	137
McMeniman, N. P., Niven, D. R., Crowther, D., Gartner, R. J. W. and Murphy, G. M.	404	Ponzoni, R. W., McGuirk, B. J., Atkins, K. D., Gilmour, A. R., Morley, F. H. W. and Maher, Liz	387
Maher, Liz, McGuirk, B. J., Ponzoni, R., Atkins, K. D., Gilmour, A. R. and Morley, F. H. W.	387	Pullen, K. G., Axelsen, A. and Cunningham, R. B.	361
Makin, A. A., Winfield, C. G., Hemsworth, P. H. and Galloway, D. B.	39	Purser, D. B., Hunter, R. A. and Barron, R. J. W.	52
Mannion, P. F.	296	Radcliffe, B. C., Driscoll, C. J. and Egan, A. R.	71
Marshall, D. R., Broué, P., Grace, J. and Munday, J.	55	Reddy, G. D., Alston, A. M. and Tiller, K. G.	491, 498
Mickan, F. J., Spiker, S. A. and Thomas, G. W.	5, 249	Reeves, T. G., Code, G. R. and Piggin, C. M.	524
Miller, P. and Veinbrants, N.	618, 623	Ridland, P. M. and Berg, G. N.	59, 506
Morley, F. H. W., McGuirk, B. J., Ponzoni, R., Atkins, K. D., Gilmour, A. R. and Maher, Liz	387	Rippon, L. E., Chaplin, G. R., Singh, G. and McBride, R. L.	610
Morris, C. A.	464	Rizzoli, D. J., White, D. H. and Cumming, I. A.	32
Morris, C. A., Smith, R. J., Hearnshaw, H. and Dicker, R. W.	19	Robinson, I. B., Rogers, G. L., Chandler, N. J. and Day, I.	163
Muchow, R. C. and Wood, I. M.	101	Rogers, G. L., Robinson, I. B., Chandler, N. J. and Day, I.	163
Muirhead, W. A. and Hamilton, J. T.	231	Rogers, V. E.	63
Mulder, J. C., Lowe, K. F. and Bowdler, T. M.	410	Rose, I. A., Felton, W. L. and Banks, L. W.	236
Munday, J., Marshall, D. R., Broué, P. and Grace, J.	55	Rosielle, A. A., Pearson, Drusilla C. and Boyd, W. J. R.	512
Murison, R. D. and Trochoulis, T.	448	Rovira, A. D., Brisbane, P. G., Simon, A., Whitehead, D. G. and Correll, R. L.	516
Murphy, G. M., McLennan, S. R., Dunster, P. J. and O'Rourke, P. K.	457	Russell, D. W. and Egan, J. P.	268
Murphy, G. M., McMeniman, N. P., Niven, D. R., Crowther, D. and Gartner, R. J. W.	404	Ryan, D. T., Stockdale, C. R., King, K. R. and Patterson, I. F.	148
Myers, R. J. K., Thomas, G. A., Foale, M. A., French, A. V., Hall, B., Ladewig, J. H., Dove, A. A., Taylor, G. K., Lefroy, E., Wylie, P. and Stirling, G. D.	210	Sampson, P. J. and Stephens, J. G.	443
Nicol, D. C. and Smith, L. D.	27	Saranah, J., Chapman, K. R., Paxton, B. and Scudamore-Smith, P. D.	119
Niven, D. R., McMeniman, N. P., Crowther, D., Gartner, R. J. W. and Murphy, G. M.	404	Sauer, N. R.	129
Novak, V. J. and Hughes, I. K.	631	Saul, G. R. and Clark, A. J.	12
O'Rourke, P. K., Davison, T. M. and Cowan, R. T.	196	Scattini, W. J.	326
O'Rourke, P. K., McLennan, S. R., Dunster, P. J. and Murphy, G. M.	457	Scudamore-Smith, P. D., Chapman, K. R., Paxton, B. and Saranah, J.	119
Patterson, I. F. and Stockdale, C. R.	371	Seif, E. and Balaam, L. N.	68
Patterson, I. F., Stockdale, C. R., King, K. R. and Ryan, D. T.	148	Shaw, K. A. and Gilbert, M. A.	334
Pavlov, P. M., Hone, J., Kilgour, R. J. and Pedersen, H.	570	Siebert, B. D., Juwarini, E., Howard, B., Lynch, J. J. and Elwin, R. L.	395
Paxton, B., Chapman, K. R., Saranah, J. and Scudamore-Smith, P. D.	119	Simon, A., Rovira, A. D., Brisbane, P. G., Whitehead, D. G. and Correll, R. L.	516
Pearson, Drusilla C., Rosielle, A. A. and Boyd, W. J. R.	512	Singh, G., Chaplin, G. R., Rippon, L. E. and McBride, R. L.	610
		Small, B. E. J.	439
		Smith, L. D. and Nicol, D. C.	27

Smith, R. J., Morris, C. A., Hearnshaw, H. and Dicker, R. W.	19	Turner, J. W., Lloyd, D. L. and Hilder, T. B.	227
Spencer, K. and Chan, C. W.	91	Tyler, R., Wythes, J. R., Daly, J. J., Burns, M. A. and Llewelyn, D.	553
Spiker, S. A., Thomas, G. W. and Micken, F. J.	5, 249	Valentine, S. C. and Wickes, R. B.	183
Stephens, J. G. and Sampson, P. J.	443	van Mourik, S. C. and Hutson, G. D.	575
Stephens, P. C., Gifford, D. R., Lampe, R. J., Ponzone, R. W. and Day, H. R.	137	Veinbrants, N. and Miller, P.	618, 623
Stirling, G. D., Thomas, G. A., Myers, R. J. K., Foale, M. A., French, A. V., Hall, B., Ladewig, J. H., Dove, A. A., Taylor, G. K., Lefroy, E. and Wylie, P.	210	Vere, D. T., Campbell, M. H. and Gilmour, A. R.	531
Stockdale, C. R. and King, K. R.	157, 167	Waring, S. A., Graham, T. W. G. and Webb, A. A.	109
Stockdale, C. R., King, K. R. and McKenzie, D. R.	376	Warrell, L. A., White, P. J., Whitehouse, M. J. and Burrill, P. R.	303
Stockdale, C. R., King, K. R., Patterson, I. F. and Ryan, D. T.	148	Webb, A. A., Graham, T. W. G. and Waring, S. A.	109
Stockdale, C. R. and Patterson, I. F.	371	White, D. H., Rizzoli, D. J. and Cumming, I. A.	32
Strong, W. M.	424	White, P. J., Whitehouse, M. J., Warrell, L. A. and Burrill, P. R.	303
Sweatman, D., Hodge, R. W. and Bogdanovic, B.	277, 400	Whitehead, D. G., Rovira, A. D., Brisbane, P. G., Simon, A. and Correll, R. L.	516
Taylor, G. K., Thomas, G. A., Myers, R. J. K., Foale, M. A., French, A. V., Hall, B., Ladewig, J. H., Dove, A. A., Lefroy, E., Wylie, P. and Stirling, G. D.	210	Whitehouse, M. J., White, P. J., Warrell, L. A. and Burrill, P. R.	303
Thomas, G. A., Myers, R. J. K., Foale, M. A., French, A. V., Hall, B., Ladewig, J. H., Dove, A. A., Taylor, G. K., Lefroy, E., Wylie, P. and Stirling, G. D.	210	Wickes, R. B. and Valentine, S. C.	183
Thomas, G. W., Mickan, F. J. and Spiker, S. A.	5, 249	Williams, G. E., Wythes, J. R., Arthur, R. J., Thompson, P. J. M. and Bond, J. H.	557
Thompson, J. M., Clements, B. W., Harris, D. C. and Lane, J. G.	566	Wilson, A. D. and Desmarchelier, J. M.	432
Thompson, P. J. M., Wythes, J. R., Arthur, R. J., Williams, G. E. and Bond, J. H.	557	Wilson, G. P. M. and Cohen, R. D. H.	583
Tiller, K. G., Reddy, G. D. and Alston, A. M.	491, 498	Winfield, C. G., Hemsworth, P. H., Galloway, D. B. and Makin, A. W.	39
Tommerup, Jocelyn, McKay, Margaret E. and Byth, D. E.	343	Wood, I. M. and Muchow, R. C.	101
Trochoulas, T. and Murison, R. D.	448	Wright, G. S., McLennan, S. R. and Blight, G. W.	367
		Wylie, P., Thomas, G. A., Myers, R. J. K., Foale, M. A., French, A. V., Hall, B., Ladewig, J. H., Dove, A. A., Taylor, G. K., Lefroy, E. and Stirling, G. D.	210
		Wythes, J. R., Arthur, R. J., Thompson, P. J. M., Williams, G. E. and Bond, J. H.	557
		Wythes, J. R., Tyler, R., Daly, J. J., Burns, M. A. and Llewelyn, D.	553



